

The diagram illustrates a vacuum furnace system with two main sections, A and B. Section A, on the left, contains a power supply (1) connected to a transformer (2) and a heating coil (3). The coil is positioned around a crucible (4) which holds a material (5). A thermocouple (6) and a thermopile (7) are used for temperature measurement. Section B, on the right, is a vacuum chamber (8) with a viewing window (9). Inside, a sample (10) is held by a support (11). A thermocouple (12) and a thermopile (13) are positioned near the sample, with a thermocouple shield (14) and a thermopile shield (15) protecting them. Arrows indicate the flow of heat and electrical connections between the sections.

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Fig.2

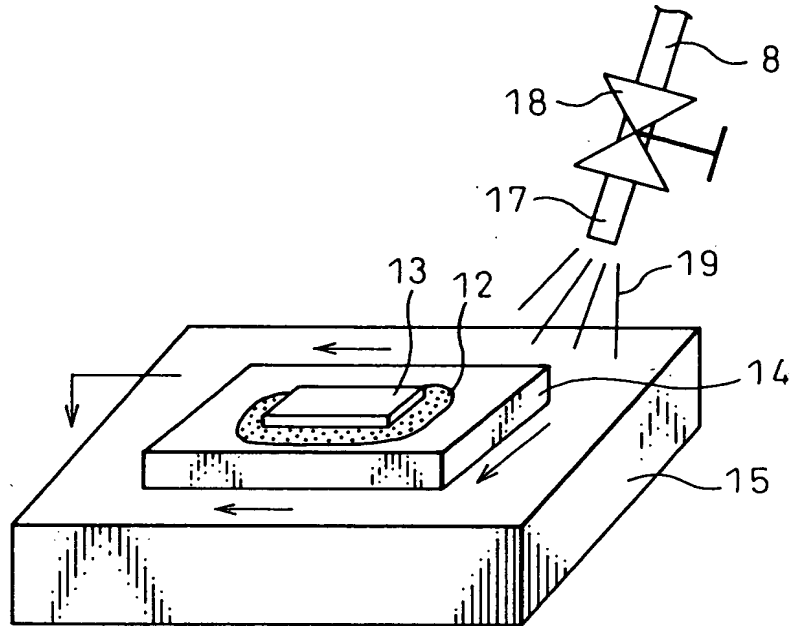


Fig.3

